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APPLICATION NO.	F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/693,143	10/693,143 10/24/2003		Michael J. Berman	03-0702	1741
24319	7590	03/20/2006		EXAMINER	
LSI LOGIO			ALEXANDER, MICHAEL P		
MS: D-106	LK LAN	-		ART UNIT PAPER NUMBER	
MILPITAS,	CA 950	35	1742		

DATE MAILED: 03/20/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)					
	10/693,143	BERMAN ET AL.	\$				
Office Action Summary	Examiner	Art Unit					
	Michael P. Alexander	1742					
The MAILING DATE of this communication Period for Reply	appears on the cover sheet with	the correspondence add	ress				
A SHORTENED STATUTORY PERIOD FOR RE WHICHEVER IS LONGER, FROM THE MAILING - Extensions of time may be available under the provisions of 37 CFI after SIX (6) MONTHS from the mailing date of this communication - If NO period for reply is specified above, the maximum statutory period for reply within the set or extended period for reply will, by standard patent term adjustment. See 37 CFR 1.704(b).	G DATE OF THIS COMMUNICA R 1.136(a). In no event, however, may a rep riod will apply and will expire SIX (6) MONTE atute, cause the application to become ABAI	ATION. Ily be timely filed IS from the mailing date of this com NDONED (35 U.S.C. § 133).	•				
Status							
1)⊠ Responsive to communication(s) filed on 10	0 March 2006.						
	This action is non-final.						
3) Since this application is in condition for allo	☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice unde	er <i>Ex parte Quayle</i> , 1935 C.D.	11, 453 O.G. 213.					
Disposition of Claims							
4)⊠ Claim(s) <u>1-8</u> is/are pending in the application	on.						
4a) Of the above claim(s) is/are without	4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.							
6)⊠ Claim(s) <u>1-8</u> is/are rejected.			-				
7) Claim(s) is/are objected to.							
8) Claim(s) are subject to restriction an	nd/or election requirement.						
Application Papers							
9)☐ The specification is objected to by the Exam	niner.						
10) The drawing(s) filed on is/are: a) ☐ a	accepted or b)□ objected to by	the Examiner.					
Applicant may not request that any objection to							
Replacement drawing sheet(s) including the cor	•	·	• •				
11) ☐ The oath or declaration is objected to by the	Examiner. Note the attached (Office Action or form PTC	D-152.				
Priority under 35 U.S.C. § 119							
12) ☐ Acknowledgment is made of a claim for fore a) ☐ All b) ☐ Some * c) ☐ None of:	eign priority under 35 U.S.C. § 1	19(a)-(d) or (f).					
 Certified copies of the priority docum 	ents have been received.						
2. Certified copies of the priority docum	• •						
3. Copies of the certified copies of the p	•	eceived in this National S	tage				
application from the International Bur							
* See the attached detailed Office action for a	list of the certified copies not re	ceived.					
Attachment(s)							
1) Notice of References Cited (PTO-892)	4) Interview Sui		·				
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB. 		Mail Date ormal Patent Application (PTO-1	152)				
Paper No(s)/Mail Date	6) Other:		•				

Application/Control Number: 10/693,143

Art Unit: 1742

DETAILED ACTION

Claim(s) 1-8 is/are pending.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-8 are rejected under 35 U.S.C. 102(b) as being anticipated by Miura et al. (US 6,027,669).

Claims 1-8 are rejected on the grounds as stated in the Office Action of 16

December 2005. With respect to the amended limitation that the electrically conductive fluid would be chemically abrasive to the layer on the substrate, the Examiner asserts that water would inherently be chemically abrasive to a layer on a substrate because water is a corrosive substance.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

The factual inquiries set forth in *Graham* v. *John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

Art Unit: 1742

1. Determining the scope and contents of the prior art.

- 2. Ascertaining the differences between the prior art and the claims at issue.
- 3. Resolving the level of ordinary skill in the pertinent art.
- 4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

Claims 1-2 and 5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kambe et al. (US 2001/0000912 A1).

Claims 1-2 and 5 are rejected on the grounds as stated in the Office Action of 16 December 2005. With respect to the amended limitation that the electrically conductive fluid would be chemically abrasive to the layer on the substrate, the Examiner asserts that water would inherently be chemically abrasive to a layer on a substrate because water is a corrosive substance.

Response to Arguments

Applicant's arguments filed 10 March 2006 have been fully considered but they are not persuasive.

Applicant states that the cited references do not describe a fluid that is chemically abrasive. However, the applicant does not provide any rationale as to why the fluids of the cited prior art would not be considered chemically abrasive.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael P. Alexander whose telephone number is 571-272-8558. The examiner can normally be reached on M-F 8:30-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Roy V. King can be reached on 571-272-1244. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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ROY KING SUPERVISORY PATENT EXAMINER
TECHNICLOGY CENTER 1700